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## OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:27 ; Search time 10.7871 Seconds  
(without alignments)  
889.824 Million cell updates/sec

Title: US-09-938-703-13  
Perfect score: 184  
Sequence: 1 PPIYKDSHGAGPAAACGHLILGNPKNSAVSK 34

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications AA:\*

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2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*

3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*

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18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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2	184	100.0	34	9	US-09-939-226-13
3	184	100.0	34	9	US-09-938-703-13
4	184	100.0	34	16	US-10-661-796-13
5	184	100.0	215	9	US-09-938-719-6
6	184	100.0	215	9	US-09-939-226-6
7	184	100.0	215	9	US-09-938-703-6
8	184	100.0	215	16	US-10-661-798-6
9	184	100.0	215	16	US-10-661-798-18
10	56.5	30.7	321	14	US-10-156-761-8413
11	55	29.9	84	9	US-09-864-761-43094
12	55	29.9	356	15	US-10-104-047-3703
13	53	28.8	350	12	US-10-425-114-45003
14	52.5	28.5	309	14	US-10-103-313-374
15	52	28.3	102	12	US-10-424-599-166254

16	52	28.3	408	12	US-10-282-122A-51544	Sequence 51544, A
17	52	28.3	435	12	US-10-425-114-63698	Sequence 63698, A
18	51	27.7	460	14	US-10-326-185-45	Sequence 45, Appl
19	50.5	27.4	301	12	US-10-425-114-67601	Sequence 67601, A
20	50	27.2	45	12	US-10-424-599-216814	Sequence 216814, A
21	50	27.2	91	12	US-10-424-599-274845	Sequence 274845, A
22	50	27.2	200	12	US-10-425-114-53827	Sequence 53827, A
23	50	27.2	200	12	US-10-425-114-60270	Sequence 60270, A
24	50	27.2	404	14	US-10-151-763-7	Sequence 7, Appl1
25	50	27.2	556	12	US-10-425-114-63110	Sequence 63110, A
26	50	27.2	608	12	US-10-425-114-70949	Sequence 70949, A
27	50	27.2	640	12	US-10-425-114-62607	Sequence 62607, A
28	49.5	26.9	116	12	US-10-424-599-212200	Sequence 212200, A
29	49.5	26.9	385	12	US-10-424-599-212869	Sequence 212869, A
30	49.5	26.9	387	12	US-10-424-599-212199	Sequence 212199, A
31	49.5	26.9	412	12	US-10-425-114-65703	Sequence 65703, A
32	49.5	26.9	412	12	US-10-425-114-67345	Sequence 67345, A
33	49.5	26.9	862	12	US-10-424-599-178025	Sequence 178025, A
34	49	26.6	132	12	US-10-425-114-50807	Sequence 50807, A
35	49	26.6	427	12	US-10-424-599-283722	Sequence 283722, A
36	48.5	26.4	462	12	US-10-425-114-65080	Sequence 65080, A
37	48	26.1	97	12	US-10-424-599-160706	Sequence 160706, A
38	48	26.1	170	9	US-09-925-300-11726	Sequence 1726, Ap
39	48	26.1	186	15	US-10-264-049-4104	Sequence 4104, Ap
40	48	26.1	200	12	US-10-425-114-61744	Sequence 61744, A
41	48	26.1	200	12	US-10-425-114-61771	Sequence 61771, A
42	48	26.1	244	12	US-10-225-066A-374	Sequence 374, App
43	48	26.1	244	15	US-10-374-780A-3728	Sequence 374, App
44	48	26.1	286	12	US-10-282-122A-51474	Sequence 51474, A
45	48	26.1	297	9	US-09-938-330-4	Sequence 4, Appl1

## ALIGNMENTS

RESULT 1  
US-09-938-719-13  
; Sequence 13, Application US/09938719  
; Patent No. US20020106742A1  
; GENERAL INFORMATION:  
APPLICANT: SAMSON, MITCHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (ERO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938, 719  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626, 939  
FILING DATE: 27-JULY-2000  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 34 amino acids

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-938-719-13

Query Match 100.0%; Score 184; DB 9; Length 34;  
Best Local Similarity 100.0%; Pred. No. 2.5e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34  
Db 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 2  
US-09-939-226-13  
Sequence 13, Application US/09939226  
Patent No. US20020110805A1  
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbé, Martens, Olsson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/939, 226  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626, 939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34, 115  
REFERENCE/DOCKET NUMBER: <Unknown>

SEQUENCE CHARACTERISTICS:  
LENGTH: 34 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-939-226-13

Query Match 100.0%; Score 184; DB 9; Length 34;  
Best Local Similarity 100.0%; Pred. No. 2.5e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34  
Db 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 3  
US-09-938-703-13  
Sequence 13, Application US/09938703  
Patent No. US20020110807A1  
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbé, Martens, Olsson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938, 703  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626, 939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34, 115  
REFERENCE/DOCKET NUMBER: <Unknown>

SEQUENCE CHARACTERISTICS:  
LENGTH: 34 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-09-938-703-13

Query Match 100.0%; Score 184; DB 9; Length 34;  
Best Local Similarity 100.0%; Pred. No. 2.5e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34  
Db 1 FPYIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 4  
US-10-661-798-13  
Sequence 13, Application US/10661798  
Publication No. US20040110127A1  
GENERAL INFORMATION:  
APPLICANT: Samson, Michael  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV Ent  
FILE REFERENCE: 9409/2023F  
CURRENT APPLICATION NUMBER: US/10/661, 798  
CURRENT FILING DATE: 2003-09-12  
PRIOR APPLICATION NUMBER: 09/938, 703  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 09/626, 939  
PRIOR FILING DATE: 2000-07-27  
PRIOR APPLICATION NUMBER: 08/833, 752  
PRIOR FILING DATE: 1997-04-09  
PRIOR APPLICATION NUMBER: 08/810, 028  
PRIOR FILING DATE: 1997-03-03  
PRIOR APPLICATION NUMBER: EP 96870021.1  
PRIOR FILING DATE: 1996-03-01  
PRIOR APPLICATION NUMBER: EP 96870102.9

PRIOR FILING DATE: 1996-08-06  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 13  
LENGTH: 34  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-661-798-13

Query Match 100.0%; Score 184; DB 16; Length 34;  
Best Local Similarity 100.0%; Pred. No. 2.5e-18;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34  
DB 1 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34

RESULT 5  
US-09-938-719-6  
Sequence 6, Application US/09938719  
Patent No. US20020106742A1  
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938,719  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 27-JULY-2000  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-938-719-6

Query Match 100.0%; Score 184; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34  
DB 182 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 215

RESULT 6  
US-09-939-226-6

Sequence 6, Application US/09939226  
Patent No. US20020110805A1  
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/939,226  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-939-226-6

Query Match 100.0%; Score 184; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 34  
DB 182 FPIKDSHLGAGPAAACHGHLILGNPKNSASVSK 215

RESULT 7  
US-09-938-703-6

Sequence 6, Application US/09938703  
Patent No. US20020110870A1  
GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK

TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR

NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938,703  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
US-09-938-703-6

Query Match 100.0%; Score 184; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIYKDSHLGAGPAAACHGILLGNPKNSASVSK 34  
DB 182 FPIYKDSHLGAGPAAACHGILLGNPKNSASVSK 215

RESULT 8  
US-10-661-798-6  
Sequence 6, Application US/10661798  
GENERAL INFORMATION:  
APPLICANT: Samson, Michael  
APPLICANT: Parmentier, Marc  
APPLICANT: Vaessart, Gilbert  
APPLICANT: Frederic, Libert  
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV Entry  
FILE REFERENCE: 9409/2023F  
CURRENT APPLICATION NUMBER: US/10/661,798  
CURRENT FILING DATE: 2003-09-12  
PRIOR APPLICATION NUMBER: 09/938,703  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 09/626,939  
PRIOR FILING DATE: 2000-07-27  
PRIOR APPLICATION NUMBER: 08/833,752  
PRIOR FILING DATE: 1997-04-09  
PRIOR APPLICATION NUMBER: 08/810,028  
PRIOR FILING DATE: 1997-03-03  
PRIOR APPLICATION NUMBER: EP 96870021.1  
PRIOR FILING DATE: 1996-03-01  
PRIOR APPLICATION NUMBER: EP 96870102.9  
PRIOR FILING DATE: 1996-08-06  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 215  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-661-798-6

Query Match 100.0%; Score 184; DB 16; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIYKDSHLGAGPAAACHGILLGNPKNSASVSK 34  
DB 182 FPIYKDSHLGAGPAAACHGILLGNPKNSASVSK 215

RESULT 9  
US-10-661-798-18  
Sequence 18, Application US/10661798  
GENERAL INFORMATION:  
APPLICANT: Samson, Michael  
APPLICANT: Parmentier, Marc  
APPLICANT: Vaessart, Gilbert  
APPLICANT: Frederic, Libert  
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV Entry  
FILE REFERENCE: 9409/2023F  
CURRENT APPLICATION NUMBER: US/10/661,798  
CURRENT FILING DATE: 2003-09-12  
PRIOR APPLICATION NUMBER: 09/938,703  
PRIOR FILING DATE: 2001-08-24  
PRIOR APPLICATION NUMBER: 09/626,939  
PRIOR FILING DATE: 2000-07-27  
PRIOR APPLICATION NUMBER: 08/833,752  
PRIOR FILING DATE: 1997-04-09  
PRIOR APPLICATION NUMBER: 08/810,028  
PRIOR FILING DATE: 1997-03-03  
PRIOR APPLICATION NUMBER: EP 96870021.1  
PRIOR FILING DATE: 1996-03-01  
PRIOR APPLICATION NUMBER: EP 96870102.9  
PRIOR FILING DATE: 1996-08-06  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 18  
LENGTH: 215  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-661-798-18

Query Match 100.0%; Score 184; DB 16; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1.8e-17;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 FPIYKDSHLGAGPAAACHGILLGNPKNSASVSK 34  
DB 182 FPIYKDSHLGAGPAAACHGILLGNPKNSASVSK 215

RESULT 10  
US-10-156-761-8413  
Sequence 8413, Application US/10156761  
GENERAL INFORMATION:  
APPLICANT: OMURA, SATOSHI  
APPLICANT: IKEDA, HARUO  
APPLICANT: ISHIKAWA, JUN  
APPLICANT: HORIKAWA, HIROSHI  
APPLICANT: SHIBA, TADAYOSHI  
APPLICANT: SAKAKI, YOSHIYUKI  
APPLICANT: HATTORI, MASAHIRA  
TITLE OF INVENTION: NOVEL POLYPEPTIDES  
FILE REFERENCE: 249-262  
CURRENT APPLICATION NUMBER: US/10/156,761  
CURRENT FILING DATE: 2002-05-29  
PRIOR APPLICATION NUMBER: JP 2001-204089  
PRIOR FILING DATE: 2001-05-30  
PRIOR APPLICATION NUMBER: JP 2001-272697  
PRIOR FILING DATE: 2001-08-02  
NUMBER OF SEQ ID NOS: 15109  
SEQ ID NO 8413  
LENGTH: 321  
TYPE: PRT  
ORGANISM: Streptomyces avermitilis  
US-10-156-761-8413

Query Match 30.7%; Score 56.5; DB 14; Length 321;  
Best Local Similarity 46.4%; Pred. No. 15;

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:26 ; Search time 4.50602 Seconds  
(without alignments)  
389,541 Million cell updates/sec

Title: US-09-938-703-13

Sequence: 1 PPIKDSHLAGPAAACHGILLGNPKNSASVSK 34

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/2/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/2/1aa/PCTUS.COMB.pep:\*  
6: /cgn2\_6/ptodata/2/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	184	100.0	34	US-08-833-752-13	Sequence 13, Appl
2	184	100.0	215	US-09-087-232A-17	Sequence 17, Appl
3	184	100.0	215	US-08-833-752-6	Sequence 6, Appl
4	57	31.0	13	US-08-907-468-13	Sequence 13, Appl
5	50.5	27.4	427	US-09-392-772-4	Sequence 4, Appl
6	50	27.2	501	US-08-660-963-13	Sequence 13, Appl
7	50	27.2	1011	US-09-252-991A-32419	Sequence 32419, A
8	49.5	26.9	306	US-09-392-772-2	Sequence 2, Appl
9	49.5	26.9	344	US-09-252-991A-22727	Sequence 22727, A
10	49.5	26.9	568	US-09-252-991A-17180	Sequence 17180, A
11	49	26.6	535	US-09-252-991A-30398	Sequence 30398, A
12	49	26.6	540	US-09-392-772-8	Sequence 8, Appl
13	48.5	26.4	153	US-09-252-991A-26618	Sequence 26618, A
14	48.5	26.4	367	US-09-252-991A-32927	Sequence 32927, A
15	48	26.1	396	US-09-252-991A-19556	Sequence 19556, A
16	48	26.1	412	US-09-324-867-4	Sequence 4, Appl
17	47.5	25.8	2304	US-08-212-133A-8	Sequence 8, Appl
18	47.5	25.8	2319	US-08-474-503-6	Sequence 6, Appl
19	47.5	25.8	2319	US-08-670-707A-6	Sequence 6, Appl
20	47.5	25.8	2319	US-09-037-601-6	Sequence 6, Appl
21	47.5	25.8	2319	US-09-315-179-6	Sequence 6, Appl
22	47.5	25.8	2319	US-09-523-656-28	Sequence 28, Appl
23	47.5	25.8	2319	PCT-US94-13200-6	Sequence 6, Appl
24	47.5	25.8	2319	US-09-107-532A-6778	Sequence 6778, A
25	47	25.3	519	US-09-252-991A-28983	Sequence 28983, A
26	46.5	25.3	429	US-08-591-498-6	Sequence 6, Appl
27	46	25.0	91	US-08-591-498-6	Sequence 6, Appl

28	46	25.0	210	US-09-252-991A-17944	Sequence 17944, A
29	46	25.0	372	US-09-973-963-4	Sequence 4, Appl
30	46	25.0	492	US-07-783-705A-4	Sequence 4, Appl
31	46	25.0	574	US-09-252-991A-10868	Sequence 10868, A
32	46	25.0	795	US-09-252-991A-18955	Sequence 18955, A
33	46	25.0	3959	US-08-970-269A-30	Sequence 30, Appl
34	46	25.0	3959	US-09-407-562-30	Sequence 30, Appl
35	45.5	24.7	392	US-09-252-991A-19038	Sequence 19038, A
36	45.5	24.7	495	US-08-861-774E-24	Sequence 24, Appl
37	45.5	24.7	495	US-10-072-094-95	Sequence 95, Appl
38	45.5	24.7	530	US-09-252-991A-28410	Sequence 28410, A
39	45.5	24.7	595	US-10-072-094-99	Sequence 99, Appl
40	45.5	24.7	666	US-09-489-039A-10821	Sequence 10821, A
41	45.5	24.7	780	US-10-072-094-93	Sequence 93, Appl
42	45.5	24.7	879	US-10-072-094-90	Sequence 90, Appl
43	45.5	24.7	1011	US-10-072-094-89	Sequence 89, Appl
44	45.5	24.7	1069	US-10-072-094-87	Sequence 87, Appl
45	45.5	24.7	1438	US-09-209-916-1	Sequence 1, Appl

## ALIGNMENTS

RESULT 1  
US-08-833-752-13  
Sequence 13, Application US/08833752  
Patent No. 6448375  
GENERAL INFORMATION:  
APPLICANT: SAMSON, MICHEL  
APPLICANT: PARMENTIER, MARC  
APPLICANT: VASSART, GILBERT  
APPLICANT: LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Knobbbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA: US/08/833,752  
APPLICATION NUMBER: US/08/833,752  
FILING DATE: 9-APR-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER:  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 34 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-833-752-13

Query Match 100.0%; Score 184; DB 4; Length 34;  
Best Local Similarity 100.0%; Pred. No. 1.1e-20;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 PPIKDSHLAGPAAACHGILLGNPKNSASVSK 34  
Db 1 PPIKDSHLAGPAAACHGILLGNPKNSASVSK 34

RESULT 2

US-09-087-232A-17  
Sequence 17, Application US/09087232A  
Patent No. 6153431  
GENERAL INFORMATION:  
APPLICANT: Quillient et al.  
TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR  
TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION.  
NUMBER OF SEQUENCES: 23  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Baker & Bots, L.L.P. attn. Lisa Kole  
STREET: 30 Rockefeller Plaza  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10112  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/087,232A  
FILING DATE: 28 MAY 1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/048,057  
FILING DATE: 30 MAY 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: KOLE, LISA B.  
REGISTRATION NUMBER: 35,225  
REFERENCE/DOCKET NUMBER: AP 31115  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 408-2628  
TELEFAX: (212) 765-2519  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-087-232A-17  
Query Match 100.0%; Score 184; DB 3; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1e-19;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
CY 1 PPYIKDSHLGAGPAAACHGHLILGNPNKNSASVSK 34  
DB 182 PPYIKDSHLGAGPAAACHGHLILGNPNKNSASVSK 215  
RESULT 3  
US-08-833-752-6  
Sequence 6, Application US/08833752  
Patent No. 6448375  
GENERAL INFORMATION:  
APPLICANT: SAMSON, MITCHEL  
APPLICANT: PARMENTIER, MARC  
APPLICANT: VASSART, GILBERT  
APPLICANT: LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/833,752  
FILING DATE: 9-APR-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER:  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-833-752-6  
Query Match 100.0%; Score 184; DB 4; Length 215;  
Best Local Similarity 100.0%; Pred. No. 1e-19;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
CY 1 PPYIKDSHLGAGPAAACHGHLILGNPNKNSASVSK 34  
DB 182 PPYIKDSHLGAGPAAACHGHLILGNPNKNSASVSK 215  
RESULT 4  
US-08-907-468-13  
Sequence 13, Application US/08907468  
Patent No. 6057102  
GENERAL INFORMATION:  
APPLICANT: Landau, Nathaniel R.  
APPLICANT: Koup, Richard A.  
APPLICANT: Liu, Rong  
APPLICANT: Paxton, William  
TITLE OF INVENTION: HIV CORECEPTOR MUTANTS  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
STREET: Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/907,468  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 1049-1-005 N  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
FRAGMENT TYPE: internal  
US-08-907-468-13

Query Match 31.0%; Score 57; DB 3; Length 13;  
Best Local Similarity 100.0%; Pred. No. 0.035;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 FPIYKDSHLG 10  
Db 4 FPIYKDSHLG 13

## RESULT 5

US-09-392-772-4  
; Sequence 4, Application US/09392772  
; Patent No. 6346403  
; GENERAL INFORMATION:  
; APPLICANT: Famodu, Layo O.  
; APPLICANT: Antoni Rafalski  
; TITLE OF INVENTION: Methionine Metabolic Enzymes  
; FILE REFERENCE: BB-1241  
; CURRENT APPLICATION NUMBER: US/09/392,772  
; CURRENT FILING DATE: 1999-09-07  
; EARLIER APPLICATION NUMBER: 60/099,519  
; EARLIER FILING DATE: 1998-09-08  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 4  
; LENGTH: 427  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
US-09-392-772-4

Query Match 27.4%; Score 50.5; DB 4; Length 427;  
Best Local Similarity 37.8%; Pred. No. 21;

Matches 14; Conservative 5; Mismatches 13; Indels 5; Gaps 2;

Qy 1 FPIYKDS---HLGAPPAACHGHL-LGNPKNSASV 32  
Db 239 FVIYKDAIEAVHLMENPARANGQIFNVGNPNNEVTV 335

## RESULT 6

US-08-660-963-13  
; Sequence 13, Application US/08660963  
; Patent No. 5852187  
; GENERAL INFORMATION:  
; APPLICANT: Thormer, Michael O.  
; APPLICANT: Gaylinn, Bruce D.  
; APPLICANT: Horikawa, Reiko  
; APPLICANT: Lyons Jr., Charles E.  
; TITLE OF INVENTION: MOLECULAR CLONING OF THE OVINE PITUITARY  
; TITLE OF INVENTION: GROWTH HORMONE RELEASING HORMONE RECEPTOR  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: POPHAM, HAIX, SCHNOBIRCH & KAUFMAN, LTD.  
; STREET: Metropolitan Square Building, Suite 800, 1450  
; STREET: G. Street  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/660,963  
; FILING DATE: 12-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: O'Shaughnessy, Brian P.  
; REGISTRATION NUMBER: 32,747  
; REFERENCE/DOCKET NUMBER: 19046.036  
; TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-824-8000  
TELEFAX: 202-824-8199  
TELEX: 248516

; INFORMATION FOR SEQ ID NO: 13:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 501 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-660-963-13

Query Match 27.2%; Score 50; DB 2; Length 501;  
Best Local Similarity 39.3%; Pred. No. 29;

Matches 11; Conservative 8; Mismatches 7; Indels 2; Gaps 1;

Qy 7 SHLGAPPAACHGHL-LGNPKNSASVSK 34  
Db 473 SYLGPPSTASHSLML--PPSTSLSR 498

## RESULT 7

US-09-252-991A-32419  
; Sequence 32419, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 32419  
; LENGTH: 1011  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-32419

Query Match 27.2%; Score 50; DB 4; Length 1011;  
Best Local Similarity 76.9%; Pred. No. 68;  
Matches 10; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 6 DSHLGAPPAACH 18  
Db 848 DSHLGAGAGAGH 860

## RESULT 8

US-09-392-772-6  
; Sequence 6, Application US/09392772  
; Patent No. 6346403  
; GENERAL INFORMATION:  
; APPLICANT: Famodu, Layo O.  
; APPLICANT: Antoni Rafalski  
; TITLE OF INVENTION: Methionine Metabolic Enzymes  
; FILE REFERENCE: BB-1241  
; CURRENT APPLICATION NUMBER: US/09/392,772  
; CURRENT FILING DATE: 1999-09-07  
; EARLIER APPLICATION NUMBER: 60/099,519  
; EARLIER FILING DATE: 1998-09-08  
; NUMBER OF SEQ ID NOS: 12  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 6  
; LENGTH: 306  
; TYPE: PRT  
; ORGANISM: Glycine max  
US-09-392-772-6

	Query Match	26.9%	Score 49.5	DB 4	Length 306
	Best Local Similarity	39.5%	Pred. No. 19		
	Matches	15	Conservative	6	Mismatches 10; Indels 7; Gaps 3;
QY	1 PPTKDS-----HGAGPAACGHTL-LGNPKASAY 32				
	: : : : :				
b	179 FVYTKDAIEAVLLMIENPAR-NHIEFVGSPNNEEVT 215				
	: : : : :				

```

RESULT 9
US-09-392-772-2
: Sequence 2, Application US/09392772
: Patent No. 6346403
:
: GENERAL INFORMATION:
: APPLICANT: Famodu, Layo O.
: APPLICANT: Antoni Rafalski
: TITLE OF INVENTION: Methionine Metabolic Enzymes
:
: FILE REFERENCE: BB-1241
:
: CURRENT APPLICATION NUMBER: US/09/392,772
: CURRENT FILING DATE: 1999-09-07
: EARLIER APPLICATION NUMBER: 60/099,519
: EARLIER FILING DATE: 1998-09-08
:
: NUMBER OF SEQ. ID NOS: 12
:
: SOFTWARE: Microsoft Office 97
:
: SEQ ID NO 2
:
: LENGTH: 344
:
: TYPE: PRT
:
: ORGANISM: Zea mays
:
: US-09-392-772-2

```

Query Match	26.9%	Score 49.5	DB 4	Length 344
Best Local Similarity	39.5%	Pred. No. 22		
Matches	15	Conservative 6	Mismatches 10	Indels 7
				Gaps 3
QY	1	FPYIKDS-----HGAGPAAACHGILL--LGNPKNSASY	32	
Db	216	FVYIKDAIEAVLMTENEPAR--NGHIFVVGKPNMNEVTV	252	

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RESULT 10
US-09-252-991A-22727
; Sequence 22727, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196, 136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 22727
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-22727

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Query Match          26.9%; Score 49.5; DB 4; Length 568;
Best Local Similarity 52.0%; Pred. No. 4;
Matches 13; Conservative 3; Mismatches 8; Indels 1; Gaps 1

QY      8 HLGAGPAAACHGHTLLGNPKNSASY 32
      ||| ||| ||| ||| :| :|
Db      351 HL-AGTAAACDQHFLGRIEDHATV 374

RESULT 11
US-09-252-991A-17140
; Sequence 17140, Application US/09252991A

```

```

1 Patent No. 6551795
2
3 GENERAL INFORMATION:
4
5 APPLICANT: Marc J. Rubenfield et al.
6
7 TITLE OF INVENTION: NUCLEIC ACID SEQUENCES RELATING TO PSEUDOMONAS
8
9 TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
10
11 FILE REFERENCE: 107196.136
12
13 CURRENT APPLICATION NUMBER: US/09/252.991A
14
15 PRIOR FILING DATE: 1999-02-18
16
17 PRIOR APPLICATION NUMBER: US 60/074,788
18
19 PRIOR FILING DATE: 1998-02-18
20
21 PRIOR APPLICATION NUMBER: US 60/094,190
22
23 PRIOR FILING DATE: 1998-07-27
24
25 NUMBER OF SEQ ID NOS: 33142
26
27 SEQ ID NO 17140
28
29 LENGTH: 535
30
31 TYPE: FRT
32
33 ORGANISM: Pseudomonas aeruginosa
34
35 US-09-252-991A-17140

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Query Match	26.6%	Score 49	DB 4	Length 535
Best Local Similarity	37.9%	Pred. No. 45		
Matches 11	Conservative 5	Mismatches 9	Indels 4	Gaps 1

  

QY	2	PIYDISHLAGPAAA	----	CHGILLGNP	26
bB	275	PSVYDDHVALGHAAGEDVAFGDLIVGP		:::: :5	303

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RESULT 12
US-09-252-991A-30398
; Sequence 30398, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 31142
; SEQ ID NO 30398
; LENGTH: 540
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30398

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Query Match	26.6%	Score 49	DB 4	Length 540
Beet Local Similarity	46.2%	Pred. No. 45		
Matches	12	Conservative	2	Mismatches 10; Indels 2; Gaps 1
Oy	6	DSHUGAPAAACGGTLLTGNNPKNSAS	31	
Db	262	DAHREGDPAA--HRTLRAGRPAPGAA	285	

RESULT 13  
US-09-392-772-8  
Sequence 8, Application US/09392772  
Patent No. 6546403  
GENERAL INFORMATION:  
APPLICANT: Famodu, Layo O.  
APPLICANT: Antoni Rafalski  
TITLE OF INVENTION: Methionine Metabolic Enzymes  
FILE REFERENCE: 88-1241  
CURRENT APPLICATION NUMBER: US/09/392, 772  
CURRENT FILING DATE: 1999-09-07  
EARLIER FILING NUMBER: 60/099,519  
EARLIER FILING DATE: 1998-09-08  
NUMBER OF SEQ. ID NOS: 12



SOFTWARE: Microsoft Office 97  
; SEQ ID NO 8  
; LENGTH: 153  
; TYPE: PRT  
; ORGANISM: Trilicium aestivum  
US-09-392-772-8

Query Match 26.4%; Score 48.5; DB 4; Length 153;  
Best Local Similarity 39.5%; Pred. No. 12;  
Matches 15; Conservative 6; Mismatches 10; Indels 7; Gaps 3;

QY 1 PPYKDS-----HLGAPPAACHGHL-LGNPKNSASV 32  
| | | | | : | | : | | : | | : |  
Db 23 FVYIKDAIEAVLMTENPARA-NGHFNVGNDPEYTV 59

RESULT 14  
US-09-252-991A-26618  
; Sequence 26618, Application US/09252991A  
; Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 26618

LENGTH: 367

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-26618

Query Match 26.1%; Score 48; DB 4; Length 367;  
Best Local Similarity 38.7%; Pred. No. 41;  
Matches 12; Conservative 3; Mismatches 16; Indels 0; Gaps 0;

QY 3 YTKDSHLGAGPAAACHGHL-LGNPKNSASVS 33  
| | | | | : | | : | | : | | : |  
Db 86 YDVSPHYGAGLAEQRFRLSGKPRDEYLS 116

RESULT 15

US-09-252-991A-32927  
; Sequence 32927, Application US/09252991A  
; Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 32927

LENGTH: 396

TYPE: PRT

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-32927

Query Match 26.1%; Score 48; DB 4; Length 396;  
Best Local Similarity 50.0%; Pred. No. 44;  
Matches 12; Conservative 3; Mismatches 7; Indels 2; Gaps 1;

QY 7 SHLGAPPAACHGHL-LGNPKNSA 30  
| | | | | : | | : | | : | | : |  
Db 120 SRRGAGPAGG--GDDLGPDRRA 141

Search completed: June 28, 2004, 08:39:16  
Job time : 5.50602 secs

**this Page Blank (uspto)**

---

Matches 13; Conservative 5; Mismatches 9; Indels 1; Gaps 1;

Qy 4 IXDSHIGAG-PAACHGHLILGNPKNSA 30  
Db 252 LDARHLAGIPAVLIGHRLDLSPLKTA 279

## RESULT 11

US-09-864-761-43094  
; Sequence 43094, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn. Sharon G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY  
; FILE REFERENCE: Aecmica-X-1  
; CURRENT APPLICATION NUMBER: US/09/864,761  
; CURRENT FILING DATE: 2001-05-23  
; PRIOR APPLICATION NUMBER: US 60/180,312  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: US 60/207,456  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: US 09/632,366  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: GB 24263.6  
; PRIOR FILING DATE: 2000-10-04  
; PRIOR APPLICATION NUMBER: US 60/236,359  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: PCT/US01/00666  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00667  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00664  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00669  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00665  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00668  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00663  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00662  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00661  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: PCT/US01/00670  
; PRIOR FILING DATE: 2001-01-30  
; PRIOR APPLICATION NUMBER: US 60/234,687  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: US 09/608,408  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: US 09/774,203  
; PRIOR FILING DATE: 2001-01-29  
; NUMBER OF SEQ ID NOS: 49117  
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
; SEQ ID NO 43094  
; LENGTH: 84  
; TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AL096816.12

OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.4

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.93

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.92

US-09-864-761-43094

Query Match 29.9%; Score 55; DB 9; Length 84;

Best Local Similarity 50.0%; Pred. No. 5.9;  
Matches 12; Conservative 1; Mismatches 5; Indels 6; Gaps 1;

Qy 6 DSHIGAGPAAACHGHLILGNPKNS 29  
Db 48 DSHIGGPAATA-----GGPRTS 65

## RESULT 12

US-10-104-047-3703  
; Sequence 3703, Application US/10104047  
; Publication No. US20030236392A1  
; GENERAL INFORMATION:  
; APPLICANT: HELIX RESEARCH INSTITUTE  
; TITLE OF INVENTION: NO. US20030236392A1el full length cDNA  
; FILE REFERENCE: H1-A0105  
; CURRENT APPLICATION NUMBER: US/10/104,047  
; CURRENT FILING DATE: 2002-03-25  
; PRIOR APPLICATION NUMBER:  
; PRIOR FILING DATE:  
; NUMBER OF SEQ ID NOS: 4096  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 3703  
; LENGTH: 356  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-104-047-3703

Query Match 29.9%; Score 55; DB 15; Length 356;

Best Local Similarity 50.0%; Pred. No. 28;  
Matches 12; Conservative 1; Mismatches 5; Indels 6; Gaps 1;

Qy 6 DSHIGAGPAAACHGHLILGNPKNS 29  
Db 218 DSHIGGPAATA-----GGPRTS 235

## RESULT 13

US-10-425-114-45003  
; Sequence 45003, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 45003  
; LENGTH: 350  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 700214342\_F11.dep  
US-10-425-114-45003

Query Match 28.8%; Score 53; DB 12; Length 350;  
Best Local Similarity 64.7%; Pred. No. 52;  
Matches 11; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 8 HIGAGPAAACHGHLILG 24  
Db 129 HIGAAAAGLAUGHILG 145

## RESULT 14

US-10-103-313-374

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; Sequence 374, Application US/10103313
; Publication No. US20030082758A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PJ207C1
; CURRENT APPLICATION NUMBER: US/10/103,313
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 653
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 374
; LENGTH: 309
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-103-313-374

Query Match          28.5%; Score 52.5; DB 14; Length 309;
Best Local Similarity 31.9%; Pred. No. 53;
Matches 15; Conservative 4; Mismatches 11; Indels 17; Gaps 2;

QY      1 PPYIKDSHLGAGPAAAC-----HGHLILGNPKNSASV 32
Db      64 PPRKQDLGLGAG--AVCREGLSQOVVAPSTAGHAVAVGPPSVRGAV 108

RESULT 15
US-10-424-599-166254
; Sequence 166254, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 166254
; LENGTH: 102
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(102)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_121142C.1.pep
; US-10-424-599-166254

Query Match          28.3%; Score 52; DB 12; Length 102;
Best Local Similarity 26.8%; Pred. No. 19;
Matches 15; Conservative 5; Mismatches 14; Indels 22; Gaps 2;

QY      1 PPYIKDSHLGAGP-----AAAGHLLILGNPKN-----SASVSK 34
Db      10 FKVVADHLGTGTGGPQGCMPPKLMITHVCYSHNLGNIPNIYYVANNPSDATISK 65
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Search completed: June 28, 2004, 08:47:40  
Job time : 10.7871 secs

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:26 ; Search time 28.494 Seconds

(without alignments)  
389,541 Million cell updates/sec

Title: US-09-938-703-6

Perfect score: 1122  
Sequence: 1 MDYGVSSPTIYDINITYTSEPC.....AACGHGILLGNPKNSASVSK 215Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*

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2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
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4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1122	100.0	215	3	US-09-087-232A-17
2	1122	100.0	215	4	US-08-833-752-6
3	958	85.4	184	4	US-08-833-752-4
4	958	85.4	352	3	US-09-087-232A-13
5	958	85.4	352	3	US-08-861-105-14
6	958	85.4	352	4	US-08-575-967A-2
7	958	85.4	352	4	US-08-833-752-5
8	958	85.4	352	4	US-09-502-783A-2
9	958	85.4	352	4	US-09-796-202-1
10	952	84.8	352	3	US-09-045-583-52
11	952	84.8	352	4	US-09-534-185-52
12	943	84.0	352	4	US-08-466-343D-2
13	936	83.4	352	4	US-09-517-605-5
14	776	69.2	354	4	US-08-724-984A-2
15	695	61.9	360	4	US-09-131-827A-20
16	694	61.9	344	4	US-08-466-343D-9
17	694	61.9	347	1	US-08-461-244-3
18	694	61.9	360	1	US-08-450-393A-4
19	694	61.9	360	3	US-08-446-669-4
20	694	61.9	360	4	US-09-045-583-50
21	694	61.9	360	4	US-09-534-185-50
22	694	61.9	360	4	US-09-131-827A-2
23	694	61.9	360	5	PCT-US95-00476-4
24	694	61.9	374	1	US-08-450-393A-2
25	694	61.9	374	5	US-08-446-669-2
26	694	61.9	374	5	PCT-US95-00476-2
27	692	61.7	360	4	US-08-833-752-7

28	688	61.3	360	3	US-09-045-583-51	Sequence 51, Appl
29	688	61.3	360	4	US-09-534-185-51	Sequence 51, Appl
30	608.5	54.2	329	4	US-09-502-783A-9	Sequence 9, Appl
31	598	53.3	355	1	US-08-012-988A-2	Sequence 2, Appl
32	598	53.3	355	1	US-08-450-393A-5	Sequence 5, Appl
33	598	53.3	355	3	US-08-446-669-5	Sequence 5, Appl
34	598	53.3	355	4	US-09-239-938-1	Sequence 1, Appl
35	598	53.3	355	4	US-09-886-319A-14	Sequence 14, Appl
36	598	53.3	355	5	PCT-US95-00476-5	Sequence 9, Appl
37	594	52.9	355	4	US-08-833-752-9	Sequence 9, Appl
38	570.5	50.8	355	4	US-09-886-319A-13	Sequence 13, Appl
39	562	50.1	355	3	US-09-045-583-53	Sequence 53, Appl
40	562	50.1	355	4	US-09-534-185-53	Sequence 53, Appl
41	547.5	48.8	360	3	US-08-875-573-20	Sequence 20, Appl
42	547.5	48.8	360	3	US-09-232-878-2	Sequence 2, Appl
43	547.5	48.8	360	3	US-09-045-583-55	Sequence 55, Appl
44	547.5	48.8	360	4	US-09-534-185-55	Sequence 35, Appl
45	547.5	48.8	360	4	US-08-939-107-34	Sequence 34, Appl

## ALIGNMENTS

```
RESULT 1
US-09-087-232A-17
; Sequence 17, Application US/09087232A
; Patent No. 6153431
;
; GENERAL INFORMATION:
; APPLICANT: Quiilent et al.
; TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Baker & Botts, L.L.P. attn. Lisa Kole
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10112
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/087,232A
; FILING DATE: 28 MAY 1998
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/048,057
; FILING DATE: 30 MAY 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: KOLE, LISA B.
; REGISTRATION NUMBER: 35,225
; REFERENCE/DOCKET NUMBER: AP 31115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 408-2628
; TELEFAX: (212) 765-2519
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 215 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
; US-09-087-232A-17
;
; Query Match 100.0%; Score 1122; DB 3; Length 215;
; Best Local Similarity 100.0%; Pred. No. 8.3e-104;
; Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 MDYGVSSPTIYDINITYTSEPCOKINVKQIAALLPLPLYSVIFFGVGMVLVILLINCKR 60
; DB 1 MDYGVSSPTIYDINITYTSEPCOKINVKQIAALLPLPLYSVIFFGVGMVLVILLINCKR 60
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QY	61	LKSMTDIYLNLALSDLEFFELLTPVPMAYHAAAQMPFGMTMQLTLGLYFIFGFSGIFFLI	120
Db	61	LKSMTDIYLNLALSDLEFFELLTPVPMAYHAAAQMPFGMTMQLTLGLYFIFGFSGIFFLI	120
QY	121	LLTIDRYLAHVAAVAFALKARTVTFGVYTSVITWVAVAFASLPGLIIFTRSQKGLHYTCSS	180
Db	121	LLTIDRYLAHVAAVAFALKARTVTFGVYTSVITWVAVAFASLPGLIIFTRSQKGLHYTCSS	180
QY	181	HPFYIKDSHLGAGPAAACHGHLILGNPKNSASVSK	215
Db	181	HPFYIKDSHLGAGPAAACHGHLILGNPKNSASVSK	215
RESULT 2			
US-08-833-752-6			
Sequence 6, Application US/08833752			
Patent No. 648375			
GENERAL INFORMATION:			
APPLICANT: SAMSON, MICHEL			
APPLICANT: PARMENTIER, MARC			
APPLICANT: VASSART, GILBERT			
APPLICANT: LIBERT, FREDERICK			
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR			
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR			
NUMBER OF SEQUENCES: 17			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Knobbe, Martens, Olson & Bear			
STREET: 620 Newport Center Drive			
CITY: Newport Beach			
STATE: CA			
COUNTRY: U.S.A.			
ZIP: 92660			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/833,752			
FILING DATE: 9-APR-1997			
CLASSIFICATION: 536			
ATTORNEY/AGENT INFORMATION:			
NAME: Altman, Daniel E			
REGISTRATION NUMBER: 34,115			
REFERENCE/DOCKET NUMBER:			
INFORMATION FOR SEQ ID NO: 6:			
SEQUENCE CHARACTERISTICS:			
LENGTH: 215 amino acids			
TYPE: amino acid			
TOPOLOGY: linear			
MOLECULE TYPE: protein			
US-08-833-752-6			
Query Match			
Best Local Similarity 100.0%; Score 1122; DB 4; Length 215;			
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0			
QY	1	MDYQVSSPIYDINNYTSEPCCKINKQIAARLLPPLYSLVPIFGFQNNLVLLILNCKR	60
Db	1	MDYQVSSPIYDINNYTSEPCCKINKQIAARLLPPLYSLVPIFGFQNNLVLLILNCKR	60
QY	61	LKSMTDIYLNLALSDLEFFELLTPVPMAYHAAAQMPFGMTMQLTLGLYFIFGFSGIFFLI	120
Db	61	LKSMTDIYLNLALSDLEFFELLTPVPMAYHAAAQMPFGMTMQLTLGLYFIFGFSGIFFLI	120
QY	121	LLTIDRYLAHVAAVAFALKARTVTFGVYTSVITWVAVAFASLPGLIIFTRSQKGLHYTCSS	180
Db	121	LLTIDRYLAHVAAVAFALKARTVTFGVYTSVITWVAVAFASLPGLIIFTRSQKGLHYTCSS	180
QY	181	HPFYIKDSHLGAGPAAACHGHLILGNPKNSASVSK	215
Db	181	HPFYIKDSHLGAGPAAACHGHLILGNPKNSASVSK	215

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RESULT 3
US-08-833-752-4
: Sequence 4, Application US/00833752
: Patent No. 6448375
: GENERAL INFORMATION:
: APPLICANT: SAMSON, MICHEL
: APPLICANT: PARMENTIER, MARC
: APPLICANT: VASSART, GILBERT
: APPLICANT: LIBERT, FREDERICK
: TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
: TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
: NUMBER OF SEQUENCES: 17
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Knobbe, Martens, Olson & Bear
: STREET: 620 Newport Center Drive 16th Floor
: CITY: Newport Beach
: STATE: CA
: COUNTRY: U.S.A.
: ZIP: 92660
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/833,752
: FILING DATE: 9-APR-1997
: CLASSIFICATION: 536
: ATTORNEY/AGENT INFORMATION:
: NAME: Altman, Daniel E
: REGISTRATION NUMBER: 34,115
: REFERENCE/DOCKET NUMBER:
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 184 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-833-752-4

Query Match      85.4%; Score 958; DB 4; Length 184;
Best Local Similarity 100.0%; Pred. No. 1.3e-87;
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CY      1 MDYGVSSPIYDINNTSPCKINQIAARLLPLYSLVFIFFGFGNNLVLIILNCR 60
DB      1 MDYGVSSPIYDINNTSPCKINQIAARLLPLYSLVFIFFGFGNNLVLIILNCR 60
CY      61 LKSMIDYILNLAISDLFFLLTVPFMAHYAAQMPFGNTMCOLLTGLYFIFGFSGIFPII 120
DB      61 LKSMIDYILNLAISDLFFLLTVPFMAHYAAQMPFGNTMCOLLTGLYFIFGFSGIFPII 120
CY      121 LITDRIYAAVHAVALKARTYVTSVITWVAVAFASLPGIITTRQKEGLHYTCSS 180
DB      121 LITDRIYAAVHAVALKARTYVTSVITWVAVAFASLPGIITTRQKEGLHYTCSS 180
CY      181 HFPY 184
DB      181 HFPY 184

RESULT 4
US-09-087-232A-13
: Sequence 13, Application US/09087232A
: Patent No. 6153431
: GENERAL INFORMATION:
: APPLICANT: Quilient et al.
: TITLE OF INVENTION: HUMAN IMMUNODEFICIENCY VIRUS CO-RECEPTOR
: TITLE OF INVENTION: VARIANTS ASSOCIATED WITH RESISTANCE TO VIRUS INFECTION
: NUMBER OF SEQUENCES: 23
: CORRESPONDENCE ADDRESS:

```

ADDRESSER: Baker & Botts, L.L.P. attn. Lisa Kole  
STREET: 30 Rockefeller Plaza  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10112  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA: US/09/087,232A  
APPLICATION NUMBER: US/09/087,232A  
FILING DATE: 28 MAY 1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/048,057  
FILING DATE: 30 MAY 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: KOLE, LISA B.  
REGISTRATION NUMBER: 35,225  
REFERENCE/DOCKET NUMBER: AP 31115  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 408-2628  
TELEFAX: (212) 765-2519  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 352 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-087-232A-13

Query Match 85.4%; Score 958; DB 3; Length 352;  
Best Local Similarity 100.0%; Pred. No. 2.7e-87;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSIVFIFGVGNMVLILLINCKR 60  
DB 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSIVFIFGVGNMVLILLINCKR 60  
QY 61 LKSMTDIYLLNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGFSGIFPII 120  
DB 61 LKSMTDIYLLNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGFSGIFPII 120  
QY 121 LITIDRYLAVVAVPAFKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180  
DB 121 LITIDRYLAVVAVPAFKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180  
QY 181 HFPY 184  
DB 181 HFPY 184

RESULT 5  
US-08-861-105-14  
Sequence 14, Application US/08861105  
Patent No. 6258527  
GENERAL INFORMATION:  
APPLICANT: LITTMAN, DAN R.  
APPLICANT: DENG, HONGKUI  
APPLICANT: ELMETER, WILFRIED  
APPLICANT: LANDAU, NATHANIEL R.  
APPLICANT: LIU, RONG  
TITLE OF INVENTION: G-COUPLED RECEPTORS ASSOCIATED WITH  
TITLE OF INVENTION: MACROPHAGE-TROPIC HIV, AND DIAGNOSTIC AND THERAPEUTIC  
TITLE OF INVENTION: US5 THEROP  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSER: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
STREET: Floor  
CITY: Hackensack

STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/861,105  
FILING DATE:  
CLASSIFICATION: 436  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/666,020  
FILING DATE: 19-JUN-1996  
CLASSIFICATION: 436  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/227,319  
FILING DATE: 13-APR-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Jackson Esq., David A.  
REGISTRATION NUMBER: 26,742  
REFERENCE/DOCKET NUMBER: 1049-1-004 NL  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-487-5800  
TELEFAX: 201-343-1684  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 352 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
US-08-861-105-14

Query Match 85.4%; Score 958; DB 3; Length 352;  
Best Local Similarity 100.0%; Pred. No. 2.7e-87;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSIVFIFGVGNMVLILLINCKR 60  
DB 1 MDYQSSPIYDINYYTSPCKINVKQIAARLLPPLYSIVFIFGVGNMVLILLINCKR 60  
QY 61 LKSMTDIYLLNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGFSGIFPII 120  
DB 61 LKSMTDIYLLNLAISDLFFLLTPFMAHYAAQMDFGNTMCOLTGLYFIFGFSGIFPII 120  
QY 121 LITIDRYLAVVAVPAFKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180  
DB 121 LITIDRYLAVVAVPAFKARITVFGVTSVITWVAVFASLPGLIIFTRSQKEGLHYTCSS 180  
QY 181 HFPY 184  
DB 181 HFPY 184

RESULT 6  
US-08-575-967A-2  
Sequence 2, Application US/08575967A  
Patent No. 6265184  
GENERAL INFORMATION:  
APPLICANT: Gray et al.  
TITLE OF INVENTION: Chemokine Receptor Materials and Methods  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Marshall, O'Toole, Gerstein, Murray & Borum  
STREET: 6300 Sears Tower, 233 S. Wacker Drive  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA

ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/575,967A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 6265184and, Grete E.  
REGISTRATION NUMBER: 35,302  
REFERENCE/DOCKET NUMBER: 32918  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-485-1900  
TELEFAX: 206-485-1662  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 352 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FEATURE:  
NAME/KEY: misc.feature  
OTHER INFORMATION: /= "88C amino acid sequence"  
US-08-575-967A-2

Query Match 85.4%; Score 958; DB 3; Length 352;  
Best Local Similarity 100.0%; Pred. No. 2,7e-87;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCQKINVQIARLLPLYSLVIFGFVGNMVLILLNCKR 60  
DB 1 MDYQSSPIYDINVTSEPCQKINVQIARLLPLYSLVIFGFVGNMVLILLNCKR 60  
QY 61 LKSMTDIYLLNLAIISDLFFLLTVPFMAHYAAQMDFGNTMCOILLTGXYFIQFSGIFPII 120  
DB 61 LKSMTDIYLLNLAIISDLFFLLTVPFMAHYAAQMDFGNTMCOILLTGXYFIQFSGIFPII 120  
QY 121 LRTIDRYLAVVAHVAFLKATVTFGVTSVITWVAVFASLPGIIFTRSQEGHLYTCSS 180  
DB 121 LRTIDRYLAVVAHVAFLKATVTFGVTSVITWVAVFASLPGIIFTRSQEGHLYTCSS 180  
QY 181 HPEY 184  
DB 181 HPEY 184

## RESULT 7

US-08-833-752-5  
Sequence 5, Application US/08833752  
Patent No. 6448375  
GENERAL INFORMATION:  
APPLICANT: SAMSON, MICHEL  
APPLICANT: PARMENTIER, MARC  
APPLICANT: VASSART, GILBERT  
APPLICANT: LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
TITLE OF INVENTION: AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/833,752  
FILING DATE: 9-APR-1997  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER:  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 352 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-833-752-5

Query Match 85.4%; Score 958; DB 4; Length 352;  
Best Local Similarity 100.0%; Pred. No. 2,7e-87;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCQKINVQIARLLPLYSLVIFGFVGNMVLILLNCKR 60  
DB 1 MDYQSSPIYDINVTSEPCQKINVQIARLLPLYSLVIFGFVGNMVLILLNCKR 60  
QY 61 LKSMTDIYLLNLAIISDLFFLLTVPFMAHYAAQMDFGNTMCOILLTGXYFIQFSGIFPII 120  
DB 61 LKSMTDIYLLNLAIISDLFFLLTVPFMAHYAAQMDFGNTMCOILLTGXYFIQFSGIFPII 120  
QY 121 LRTIDRYLAVVAHVAFLKATVTFGVTSVITWVAVFASLPGIIFTRSQEGHLYTCSS 180  
DB 121 LRTIDRYLAVVAHVAFLKATVTFGVTSVITWVAVFASLPGIIFTRSQEGHLYTCSS 180  
QY 181 HPEY 184  
DB 181 HPEY 184

## RESULT 8

US-09-502-783A-2  
Sequence 2, Application US/09502783A  
Patent No. 6511826  
GENERAL INFORMATION:  
APPLICANT: Li, Yi  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: Polynucleotides Encoding Human G-Protein Chemokine Receptor (CRS)  
TITLE OF INVENTION: HDGR10  
FILE REFERENCE: 1488,1150006  
CURRENT APPLICATION NUMBER: US/09/502,783A  
CURRENT FILING DATE: 2001-08-23  
PRIOR APPLICATION NUMBER: 08/466,343  
PRIOR FILING DATE: 1995-06-06  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2  
TYPE: PRT  
LENGTH: 352  
ORGANISM: Homo sapiens  
US-09-502-783A-2

Query Match 85.4%; Score 958; DB 4; Length 352;  
Best Local Similarity 100.0%; Pred. No. 2,7e-87;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCQKINVQIARLLPLYSLVIFGFVGNMVLILLNCKR 60  
DB 1 MDYQSSPIYDINVTSEPCQKINVQIARLLPLYSLVIFGFVGNMVLILLNCKR 60  
QY 61 LKSMTDIYLLNLAIISDLFFLLTVPFMAHYAAQMDFGNTMCOILLTGXYFIQFSGIFPII 120  
DB 61 LKSMTDIYLLNLAIISDLFFLLTVPFMAHYAAQMDFGNTMCOILLTGXYFIQFSGIFPII 120  
QY 121 LRTIDRYLAVVAHVAFLKATVTFGVTSVITWVAVFASLPGIIFTRSQEGHLYTCSS 180  
DB 121 LRTIDRYLAVVAHVAFLKATVTFGVTSVITWVAVFASLPGIIFTRSQEGHLYTCSS 180



Db 121 LITIDRYLAHVAVFALFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180  
 QY 181 HFPY 184  
 Db 181 HFPY 184

RESULT 9  
 US-09-796-202-1  
 ; Sequence 1, Application US/09796202  
 ; Patent No. 6548636  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Dragic, Tatjana  
 ; APPLICANT: Olsson, William  
 ; TITLE OF INVENTION: SULFATED CCR5 PEPTIDES FOR HIV-1 INFECTION  
 ; FILE REFERENCE: 2048/61010/JPM/SHS  
 ; CURRENT APPLICATION NUMBER: US/09/796,202  
 ; CURRENT FILING DATE: 2001-02-28  
 ; NUMBER OF SEQ ID NOS: 17  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 1  
 ; LENGTH: 352  
 ; TYPE: PRT  
 ; ORGANISM: human  
 US-09-796-202-1

Query Match 85.4%; Score 958; DB 4; Length 352;  
 Best Local Similarity 100.0%; Pred. No. 2.7e-87;  
 Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDVQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60  
 Db 1 MDVQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60  
 QY 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOULTGLYIFGFSGIFETI 120  
 Db 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOULTGLYIFGFSGIFETI 120  
 QY 121 LITIDRYLAHVAVFALFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180  
 Db 121 LITIDRYLAHVAVFALFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180

QY 181 HFPY 184  
 Db 181 HFPY 184

RESULT 10  
 US-09-045-583-52  
 ; Sequence 52, Application US/09045583  
 ; Patent No. 6287805  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Graham, Gerard J. et al.  
 ; TITLE OF INVENTION: No. 6287805el Molecules of the G Protein-Coupled  
 ; NUMBER OF SEQUENCES: 56  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: LAHYE & COCKFIELD, LLP  
 ; STREET: 28 State Street  
 ; CITY: Boston  
 ; STATE: Massachusetts  
 ; COUNTRY: USA  
 ; ZIP: 02109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/045,583  
 ; FILING DATE: 20-MAR-98  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:

; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mandragouras, Amy E.  
 ; REGISTRATION NUMBER: 36,207  
 ; REFERENCE/DOCKET NUMBER: NMI-044  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617)227-7400  
 ; TELEFAX: (617)742-4214  
 ; INFORMATION FOR SEQ ID NO: 52:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 352 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; FRAGMENT TYPE: internal  
 US-09-045-583-52

Query Match 84.8%; Score 952; DB 3; Length 352;  
 Best Local Similarity 98.9%; Pred. No. 1.1e-86;  
 Matches 182; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDVQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60  
 Db 1 MDVQSSPIYDIDYTTSEPCQKINVKQIAARLLPPLYSIVFIQGVGNMLVILLINCKR 60  
 QY 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOULTGLYIFGFSGIFETI 120  
 Db 61 LKSMTDIYLNLAISDLFFLLTVPFWAHYAAQWDFGNTMCOULTGLYIFGFSGIFETI 120  
 QY 121 LITIDRYLAHVAVFALFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180  
 Db 121 LITIDRYLAHVAVFALFKARTVTFGVVTSVITWVAVFASLPGIIFTRSQKGLHYTCSS 180  
 QY 181 HFPY 184  
 Db 181 HFPY 184

RESULT 11  
 US-09-534-185-52  
 ; Sequence 52, Application US/09534185  
 ; Patent No. 6403767  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Graham, Gerard J. et al.  
 ; TITLE OF INVENTION: No. 6403767el Molecules of the G Protein-Coupled  
 ; Heptahelical Receptor Superfamily and Uses  
 ; THEREFOR  
 ; NUMBER OF SEQUENCES: 56  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: LAHYE & COCKFIELD, LLP  
 ; STREET: 28 State Street  
 ; CITY: Boston  
 ; STATE: Massachusetts  
 ; COUNTRY: USA  
 ; ZIP: 02109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/534,185  
 ; FILING DATE: 24-Mar-2000  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 09/045,583  
 ; FILING DATE: <Unknown>  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Mandragouras, Amy E.  
 ; REGISTRATION NUMBER: 36,207  
 ; REFERENCE/DOCKET NUMBER: NMI-044  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617)227-7400

TELEFAX: (617) 742-4214  
INFORMATION FOR SEQ ID NO: 52:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 352 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FRAGMENT TYPE: internal  
SEQUENCE DESCRIPTION: SEQ ID NO: 52:  
US-09-534-185-52

Query Match 84.8%; Score 952; DB 4; Length 352;  
Best Local Similarity 98.9%; Pred. No. 1.1e-86;

Matches 182; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYVSSPIYDINYYTSEPCOKINVKQIAARLLPPLYSLVIFGFGVGNMVLILINCKR 60  
|||  
Db 1 MDYVSSPIYDIDYITSEPCOKINVKQIAARLLPPLYSLVIFGFGVGNMVLILINCKR 60  
|||  
QY 61 LKSMTDIYLNLALSDLEFLLTVPFMAHYAAQMDFGNTMCOLLTLGLYIFGFGSGIFPII 120  
|||  
Db 61 LKSMTDIYLNLALSDLEFLLTVPFMAHYAAQMDFGNTMCOLLTLGLYIFGFGSGIFPII 120  
|||  
QY 121 LITIDRYIAVHAVALKARIVTGVTSVITWVAFAASLPGLIFTRSQKRGHLHYTCS 180  
|||  
Db 121 LITIDRYIAVHAVALKARIVTGVTSVITWVAFAASLPGLIFTRSQKRGHLHYTCS 180  
|||  
QY 181 HFPY 184  
|||  
Db 181 HFPY 184

RESULT 12  
US-08-466-343D-2

; Sequence 2, Application US/08466343D

; Patent No. 6025154

; GENERAL INFORMATION:

; APPLICANT: LI, YI

; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING HUMAN G-PROTEIN

; NUMBER OF SEQUENCES: 9

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.

; STREET: 1100 NEW YORK AVE., NW, SUITE 600

; CITY: WASHINGTON

; STATE: DC

; COUNTRY: USA

; ZIP: 20005

; COMPUTER READABLE FORM:

; MEDIUM TYPE: floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: Patent Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: STEFFE, ERIC K.

; REGISTRATION NUMBER: 36,688

; REFERENCE/DOCKET NUMBER: 1488.1150000/EKS/KLM

; TELEPHONE: (202) 371-2600

; TELEFAX: (202) 371-2540

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 352 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-466-343D-2

Query Match 84.0%; Score 943; DB 3; Length 352;

Best Local Similarity 97.8%; Pred. No. 8.5e-86;  
Matches 180; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDYVSSPIYDINYYTSEPCOKINVKQIAARLLPPLYSLVIFGFGVGNMVLILINCKR 60  
|||  
Db 1 MDYVSSPIYDINYYTSEPCOKINVKQIAARLLPPLYSLVIFGFGVGNMVLILINCKR 60  
|||  
QY 61 LKSMTDIYLNLALSDLEFLLTVPFMAHYAAQMDFGNTMCOLLTLGLYIFGFGSGIFPII 120  
|||  
Db 61 LKSMTDIYLNLALSDLEFLLTVPFMAHYAAQMDFGNTMCOLLTLGLYIFGFGSGIFPII 120  
|||  
QY 121 LITIDRYIAVHAVALKARIVTGVTSVITWVAFAASLPGLIFTRSQKRGHLHYTCS 180  
|||  
Db 121 LITIDRYIAVHAVALKARIVTGVTSVITWVAFAASLPGLIFTRSQKRGHLHYTCS 180  
|||  
QY 181 HFPY 184  
|||  
Db 181 HFPY 184

RESULT 13

US-09-517-605-5

; Sequence 5, Application US/09517605

; Patent No. 6391567

; GENERAL INFORMATION:

; APPLICANT: Littman, Dan R.

; APPLICANT: Kwon, Douglas S.

; APPLICANT: van Kooyk, Yvette

; TITLE OF INVENTION: METHODS OF USING A FACILITATOR OF RETROVIRAL ENTRY INTO

; FILE REFERENCE: 1049-1-017

; CURRENT APPLICATION NUMBER: US/09/517,605

; NUMBER OF SEQ ID NOS: 17

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 5

; LENGTH: 352

; TYPE: PR

; ORGANISM: Homo sapiens

US-09-517-605-5

Query Match 83.4%; Score 936; DB 4; Length 352;

Best Local Similarity 97.3%; Pred. No. 4.2e-85;

Matches 179; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 MDYVSSPIYDINYYTSEPCOKINVKQIAARLLPPLYSLVIFGFGVGNMVLILINCKR 60  
|||  
Db 1 MDYVSSPIYDIDYITSEPCOKINVKQIAARLLPPLYSLVIFGFGVGNMVLILINCKR 60  
|||  
QY 61 LKSMTDIYLNLALSDLEFLLTVPFMAHYAAQMDFGNTMCOLLTLGLYIFGFGSGIFPII 120  
|||  
Db 61 LKSMTDIYLNLALSDLEFLLTVPFMAHYAAQMDFGNTMCOLLTLGLYIFGFGSGIFPII 120  
|||  
QY 121 LITIDRYIAVHAVALKARIVTGVTSVITWVAFAASLPGLIFTRSQKRGHLHYTCS 180  
|||  
Db 121 LITIDRYIAVHAVALKARIVTGVTSVITWVAFAASLPGLIFTRSQKRGHLHYTCS 180  
|||  
QY 181 HFPY 184  
|||  
Db 181 HFPY 184

RESULT 14

US-08-724-984A-2

; Sequence 2, Application US/08724984A

; Patent No. 6388055

; GENERAL INFORMATION:

; APPLICANT: Deck Bergsma, Mary Brawer, and Usman Shabon

; TITLE OF INVENTION: NO. 6388055el Mouse Genomic Clone of the CC-

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESSES:

```

; ADDRESS: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road, P.O. Box 1539
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: MICROSOFT WORD
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,984A
; FILING DATE: October 3, 1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: William T. Han
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: ATG50023
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610 270 5024
; TELEFAX: 610 270 5090
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; TYPE: Amino Acid
; LENGTH: 354
; TOPOLOGY: Linear
; US-08-724-984A-2

Query Match 69.2%; Score 776; DB 4; Length 354;
Best Local Similarity 79.0%; Pred. No. 3.2e-69;
Matches 147; Conservative 17; Mismatches 20; Indels 2; Gaps 1;

QY 1 MDYQSSP--IYDINYTSEPCQKINVKQIAARLLPPLYSLVIFGFGVGNMVLILLINCK 58
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 MDYQSSPVTYIDIDYGNAPCQKINVKQIAARLLPPLYSLVIFGFGVGNMVLILLINCK 60

QY 59 KRLKSMTDIYLLNLAIISDLFELLTPFMAHYAAQMDFGNTMCCLLTGLYIFGFSGLIF 118
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 KRLKSVTDIYLLNLAIISDLFELLTPFMAHYAANEMIFGNIMCKVFTGYHIGYFGILF 120

QY 119 ILLITIDRYLAVVAHVAFLKARTVTGVTSVITWVAVFASLPGIIFTRSQEGLAHYTC 178
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 121 ILLITIDRYLAVHVAFLKARTVTGVTSVITWVAVFASLPELIIFTRSQEGFHYTC 180

QY 179 SSHPEY 184
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 181 SPHPEH 186

RESULT 15
US-09-131-827A-20
; Sequence 20, Application US/09131827A
; Patent No. 6600030
; GENERAL INFORMATION:
; APPLICANT: Dean, Michael
; APPLICANT: O'Brien, Stephen J.
; APPLICANT: Smith, Michael
; APPLICANT: Carrington, Mary
; TITLE OF INVENTION: DELAYED PROGRESSION TO AIDS BY A
; FILE REFERENCE: 14014.0333
; CURRENT APPLICATION NUMBER: US/09/131,827A
; CURRENT FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/055,659
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 360
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; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-131-827A-20

Query Match 61.9%; Score 695; DB 4; Length 360;
Best Local Similarity 76.4%; Pred. No. 3.5e-61;
Matches 133; Conservative 16; Mismatches 23; Indels 2; Gaps 1;

QY 10 YDINYTSEPCQKINVKQIAARLLPPLYSLVIFGFGVGNMVLILLINCKRLKSMTDIYL 69
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 24 FDYDY--GAPCHKRDVQKIGAGLLPPLYSLVIFGFGVGNMVLILLINCKKLCULDIYL 81

QY 70 LNLAIISDLFELLTPFMAHYAAQMDFGNTMCCLLTGLYIFGFSGLIFPIILLITDRYLA 129
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 82 LNLAIISDLFELLTPFMAHSAANEWFNGNACKLFTGYHIGYFGIIFPIILLITDRYLA 141

QY 130 VHAHVAFLKARTVTGVTSVITWVAVFASLPGIIFTRSQEGLAHYTCSSHEP 183
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 142 VHAHVAFLKARTVTGVTSVITWVAVFASLPGIIFTRSQEGSDSVYVCGPYEP 195

Search completed: June 28, 2004, 08:39:15
Job time : 29.494 secs
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**This Page Blank (uspto)**

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

## OM protein - protein search, using sw model

Run on: June 28, 2004, 08:38:27 ; Search time 68.2129 Seconds  
(without alignments)  
889.824 Million cell updates/sec

Title: US-09-938-703-6  
Perfect score: 1122  
Sequence: 1 MDYGVSSPIFYDINYYTSEPC.....AACHGHLLGNPKNSASVSK 215

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1163542 seqs, 282313646 residues

Total number of hits satisfying chosen parameters: 1163542

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

## Database : Published Applications AA.\*

1: /cgn2\_6/ptodata/2/pubppaa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/ptodata/2/pubppaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/2/pubppaa/US06\_NEW\_PUB.pep.\*  
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9: /cgn2\_6/ptodata/2/pubppaa/US09\_PUBCOMB.pep.\*  
10: /cgn2\_6/ptodata/2/pubppaa/US09C\_PUBCOMB.pep.\*  
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12: /cgn2\_6/ptodata/2/pubppaa/US10\_PUBCOMB.pep.\*  
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18: /cgn2\_6/ptodata/2/pubppaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1122	100.0	215	US-09-938-719-6	Sequence 6, Appli
2	1122	100.0	215	US-09-939-726-6	Sequence 6, Appli
3	1122	100.0	215	US-09-938-703-6	Sequence 6, Appli
4	1122	100.0	215	US-10-661-798-6	Sequence 6, Appli
5	1122	100.0	215	US-10-661-798-18	Sequence 18, Appli
6	958	85.4	184	US-09-938-719-4	Sequence 4, Appli
7	958	85.4	184	US-09-939-726-4	Sequence 4, Appli
8	958	85.4	184	US-09-938-703-4	Sequence 4, Appli
9	958	85.4	184	US-10-661-798-4	Sequence 4, Appli
10	958	85.4	352	US-09-725-285-2	Sequence 2, Appli
11	958	85.4	352	US-09-759-841-2	Sequence 2, Appli
12	958	85.4	352	US-09-779-879A-22	Sequence 22, Appli
13	958	85.4	352	US-09-779-880A-22	Sequence 22, Appli
14	958	85.4	352	US-09-813-653-15	Sequence 15, Appli
15	958	85.4	352	US-09-796-202-1	Sequence 1, Appli

16	958	85.4	352	9	US-09-195-662A-2	Sequence 2, Appli
17	958	85.4	352	9	US-09-339-912A-2	Sequence 2, Appli
18	958	85.4	352	9	US-09-938-719-5	Sequence 5, Appli
19	958	85.4	352	9	US-09-939-226-5	Sequence 5, Appli
20	958	85.4	352	9	US-09-938-703-5	Sequence 5, Appli
21	958	85.4	352	9	US-09-502-783A-2	Sequence 2, Appli
22	958	85.4	352	10	US-09-734-221A-14	Sequence 14, Appli
23	958	85.4	352	11	US-09-826-509-477	Sequence 477, App
24	958	85.4	352	13	US-10-106-623-2	Sequence 2, Appli
25	958	85.4	352	14	US-10-232-686-2	Sequence 2, Appli
26	958	85.4	352	14	US-10-086-814-1	Sequence 22, Appli
27	958	85.4	352	14	US-10-067-800-22	Sequence 6, Appli
28	958	85.4	352	14	US-10-280-058A-6	Sequence 352, App
29	958	85.4	352	14	US-10-225-567A-352	Sequence 1, Appli
30	958	85.4	352	14	US-10-323-314-1	Sequence 1, Appli
31	958	85.4	352	14	US-10-072-301-1	Sequence 1, Appli
32	958	85.4	352	14	US-10-071-866-1	Sequence 1, Appli
33	958	85.4	352	14	US-10-135-839-22	Sequence 22, Appli
34	958	85.4	352	14	US-10-239-423-67	Sequence 67, Appli
35	958	85.4	352	14	US-10-439-845-4	Sequence 4, Appli
36	958	85.4	352	15	US-10-360-828-1	Sequence 1, Appli
37	958	85.4	352	16	US-10-661-798-5	Sequence 5, Appli
38	958	85.4	352	14	US-10-439-845-2	Sequence 2, Appli
39	952	84.8	352	9	US-09-813-653-17	Sequence 17, Appli
40	952	84.8	352	14	US-10-164-649-52	Sequence 52, Appli
41	943	84.0	352	9	US-09-779-879A-2	Sequence 2, Appli
42	943	84.0	352	9	US-09-779-880A-2	Sequence 2, Appli
43	943	84.0	352	14	US-10-067-800-2	Sequence 2, Appli
44	943	84.0	352	14	US-10-135-839-2	Sequence 2, Appli
45	936	83.4	352	12	US-10-151-274-5	Sequence 5, Appli

## ALIGNMENTS

## RESULT 1

US-09-938-719-6  
; Sequence 6, Application US/09938719  
; Patent No. US20020106742A1

## GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

## COMPUTER READABLE FORM:

TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
US-09-938-719-6

Query Match 100.0%; Score 1122; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 6.2e-99;  
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCOKINVKQIAARLLPPLYSLVIFGFVGMNLVILLINCKR 60  
DB 1 MDYQSSPIYDINVTSEPCOKINVKQIAARLLPPLYSLVIFGFVGMNLVILLINCKR 60  
QY 61 LKSMTDIYLNLAISDLFFLLTVFPMAHYAAQWDFGNTMCOLTGLYFIFGFSGIFFTI 120  
DB 61 LKSMTDIYLNLAISDLFFLLTVFPMAHYAAQWDFGNTMCOLTGLYFIFGFSGIFFTI 120  
QY 121 LLTIDRYLAAVHAVALKARTVTEGVTSVITWVAVPAASLPGLIFTRSQKGLHYTCS 180  
DB 121 LLTIDRYLAAVHAVALKARTVTEGVTSVITWVAVPAASLPGLIFTRSQKGLHYTCS 180  
QY 181 HFPYIKOSHLAGAPAAACHGHLILGNPNKASVSK 215  
DB 181 HFPYIKOSHLAGAPAAACHGHLILGNPNKASVSK 215

## RESULT 2

US-09-939-226-6  
Sequence 6, Application US/09939226  
Patent No. US20020110805A1

## GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

## COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/939,226  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 6:

## SEQUENCE CHARACTERISTICS:

LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

## MOLECULE TYPE: protein

## SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-939-226-6

Query Match 100.0%; Score 1122; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 6.2e-99;

Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCOKINVKQIAARLLPPLYSLVIFGFVGMNLVILLINCKR 60  
DB 1 MDYQSSPIYDINVTSEPCOKINVKQIAARLLPPLYSLVIFGFVGMNLVILLINCKR 60  
QY 61 LKSMTDIYLNLAISDLFFLLTVFPMAHYAAQWDFGNTMCOLTGLYFIFGFSGIFFTI 120  
DB 61 LKSMTDIYLNLAISDLFFLLTVFPMAHYAAQWDFGNTMCOLTGLYFIFGFSGIFFTI 120  
QY 121 LLTIDRYLAAVHAVALKARTVTEGVTSVITWVAVPAASLPGLIFTRSQKGLHYTCS 180  
DB 121 LLTIDRYLAAVHAVALKARTVTEGVTSVITWVAVPAASLPGLIFTRSQKGLHYTCS 180  
QY 181 HFPYIKOSHLAGAPAAACHGHLILGNPNKASVSK 215  
DB 181 HFPYIKOSHLAGAPAAACHGHLILGNPNKASVSK 215

## RESULT 3

US-09-938-703-6  
Sequence 6, Application US/09938703  
Patent No. US20020110870A1

## GENERAL INFORMATION:

APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660

## COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938,703  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 6:

## SEQUENCE CHARACTERISTICS:

LENGTH: 215 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

## MOLECULE TYPE: protein

## SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-938-703-6

Query Match 100.0%; Score 1122; DB 9; Length 215;  
Best Local Similarity 100.0%; Pred. No. 6.2e-99;

Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINVTSEPCOKINVKQIAARLLPPLYSLVIFGFVGMNLVILLINCKR 60  
DB 1 MDYQSSPIYDINVTSEPCOKINVKQIAARLLPPLYSLVIFGFVGMNLVILLINCKR 60  
QY 61 LKSMTDIYLNLAISDLFFLLTVFPMAHYAAQWDFGNTMCOLTGLYFIFGFSGIFFTI 120  
DB 61 LKSMTDIYLNLAISDLFFLLTVFPMAHYAAQWDFGNTMCOLTGLYFIFGFSGIFFTI 120

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Db      61 LKSMTDIYLNLAIISDLFFLLTVPFWAHYAAQMDPNTMCCOLLTGLYIFGFSGIFPII 120
QY      121 LITIDRYLAHVAVFALKARTVTFGVTSVITWVAVFASLPGLIIFTRSQKGLHYTCSS 180
Db      121 LITIDRYLAHVAVFALKARTVTFGVTSVITWVAVFASLPGLIIFTRSQKGLHYTCSS 180
QY      181 HFPYIKDSHLAGPAAACHGHLILGNPKNSASVSK 215
Db      181 HFPYIKDSHLAGPAAACHGHLILGNPKNSASVSK 215

RESULT 4
US-10-661-798-6
; Sequence 6, Application US/10661798
; Publication No. US20040110127A1
; GENERAL INFORMATION:
; APPLICANT: Samson, Michael
; APPLICANT: Parentier, Marc
; APPLICANT: Vassart, Gilbert
; APPLICANT: Frederic, Libert
; TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV En
; TITLE OF INVENTION: a Cell
; FILE REFERENCE: 9409/2023F
; CURRENT APPLICATION NUMBER: US/10/661,798
; CURRENT FILING DATE: 2003-09-12
; PRIOR APPLICATION NUMBER: 09/938,703
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 09/626,939
; PRIOR FILING DATE: 2000-07-27
; PRIOR APPLICATION NUMBER: 08/833,752
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: 08/810,028
; PRIOR FILING DATE: 1997-03-03
; PRIOR APPLICATION NUMBER: EP 96870021.1
; PRIOR FILING DATE: 1996-03-01
; PRIOR APPLICATION NUMBER: EP 96870102.9
; PRIOR FILING DATE: 1996-08-06
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 6
; LENGTH: 215
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-661-798-6

Query Match      100.0%; Score 1122; DB 16; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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APPLICANT: Vassart, Gilbert
APPLICANT: Frederic, Libert
TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV En
TITLE OF INVENTION: a Cell
FILE REFERENCE: 9409/2023F
CURRENT APPLICATION NUMBER: US/10/661,798
CURRENT FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: 09/938,703
PRIOR FILING DATE: 2001-08-24
PRIOR APPLICATION NUMBER: 09/626,939
PRIOR FILING DATE: 2000-07-27
PRIOR APPLICATION NUMBER: 08/833,752
PRIOR FILING DATE: 1997-04-09
PRIOR APPLICATION NUMBER: 08/810,028
PRIOR FILING DATE: 1997-03-03
PRIOR APPLICATION NUMBER: EP 96870021.1
PRIOR FILING DATE: 1996-03-01
PRIOR APPLICATION NUMBER: EP 96870102.9
PRIOR FILING DATE: 1996-08-06
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin version 3.1
SEQ ID NO 18
LENGTH: 215
TYPE: PRT
ORGANISM: Homo sapiens
US-10-661-798-18

Query Match      100.0%; Score 1122; DB 16; Length 215;
Best Local Similarity 100.0%; Pred. No. 6.2e-99;
Matches 215; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 6
US-09-938-719-4
; Sequence 4, Application US/09938719
; Patent No. US20020106742A1
; GENERAL INFORMATION:
; APPLICANT: SAMSON, MICHEL
; APPLICANT: PARENTIER, MARC
; APPLICANT: VASSART, GILBERT
; APPLICANT: LIBERT, FREDERICK
; TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR
; AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
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APPLICATION NUMBER: US/09/938,719  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 27-JULY-2000  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-938-719-4

Query Match 85.4%; Score 958; DB 9; Length 184;  
Best Local Similarity 100.0%; Pred. No. 2.2e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDYVSSPIYDINYYTSPCKINVKQIAARLLPLYSLVIFGFGVGMVLVILLINCKR 60  
QY 61 LKSMTDIYLLNLALSDFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120  
DB 61 LKSMTDIYLLNLALSDFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120  
QY 121 LITIDRYLAHVAVFALKARTVTFGVTSVITWVAVFASLPGLIFTSQKEGHTCSS 180  
DB 121 LITIDRYLAHVAVFALKARTVTFGVTSVITWVAVFASLPGLIFTSQKEGHTCSS 180  
QY 181 HFPY 184  
DB 181 HFPY 184

RESULT 7  
US-09-939-226-4  
Sequence 4, Application US/09939226  
Patent No. US20020110805A1  
GENERAL INFORMATION:  
APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (ERO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/939,226  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E

REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
US-09-939-226-4

Query Match 85.4%; Score 958; DB 9; Length 184;  
Best Local Similarity 100.0%; Pred. No. 2.2e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYVSSPIYDINYYTSPCKINVKQIAARLLPLYSLVIFGFGVGMVLVILLINCKR 60  
DB 1 MDYVSSPIYDINYYTSPCKINVKQIAARLLPLYSLVIFGFGVGMVLVILLINCKR 60  
QY 61 LKSMTDIYLLNLALSDFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120  
DB 61 LKSMTDIYLLNLALSDFLLTVPFWAHYAAQWDFGNTMCOLLTGLYIFGFGSIFPFI 120  
QY 121 LITIDRYLAHVAVFALKARTVTFGVTSVITWVAVFASLPGLIFTSQKEGHTCSS 180  
DB 121 LITIDRYLAHVAVFALKARTVTFGVTSVITWVAVFASLPGLIFTSQKEGHTCSS 180  
QY 181 HFPY 184  
DB 181 HFPY 184

RESULT 8  
US-09-938-703-4  
Sequence 4, Application US/09938703  
Patent No. US20020110870A1  
GENERAL INFORMATION:  
APPLICANT: SAMSON, MICHEL  
PARMENTIER, MARC  
VASSART, GILBERT  
LIBERT, FREDERICK  
TITLE OF INVENTION: ACTIVE AND INACTIVE CC-CHEMOKINES RECEPTOR  
AND NUCLEIC ACID MOLECULES ENCODING SAID RECEPTOR  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Knobbe, Martens, Olson & Bear  
STREET: 620 Newport Center Drive 16th Floor  
CITY: Newport Beach  
STATE: CA  
COUNTRY: U.S.A.  
ZIP: 92660  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25 (ERO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/938,703  
FILING DATE: 24-Aug-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/626,939  
FILING DATE: 2000-07-27  
ATTORNEY/AGENT INFORMATION:  
NAME: Altman, Daniel E  
REGISTRATION NUMBER: 34,115  
REFERENCE/DOCKET NUMBER: <Unknown>  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 184 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein



SEQUENCE DESCRIPTION: SEQ ID NO: 4  
US-09-938-703-4

Query Match 85.4%; Score 958; DB 9; Length 184;  
Best Local Similarity 100.0%; Pred. No. 2.2e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQVSSPIYDINNTSEPCQKINVKQIAARLLPPLYSIVFI FGVGNMLVILLINCKR 60  
| | | | |  
DB 1 MDYQVSSPIYDINNTSEPCQKINVKQIAARLLPPLYSIVFI FGVGNMLVILLINCKR 60  
| | | | |  
QY 61 LKSMDDIYLNLAISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120  
| | | | |  
DB 61 LKSMDDIYLNLAISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120  
| | | | |  
QY 121 LITIDRYLA VHA VFA LKARITVFGVTSVITWVA VFA SLPGIIFTSRQKGLHYTCSS 180  
| | | | |  
DB 121 LITIDRYLA VHA VFA LKARITVFGVTSVITWVA VFA SLPGIIFTSRQKGLHYTCSS 180  
| | | | |  
QY 181 HFPY 184  
| | | | |  
DB 181 HFPY 184

## RESULT 9

US-10-661-798-4  
; Sequence 4, Application US/10661798  
; Publication No. US20040110127A1  
; GENERAL INFORMATION:  
; APPLICANT: Samsen, Michael  
; APPLICANT: Parmentier, Marc  
; APPLICANT: Vassart, Gilbert  
; APPLICANT: Fredet, Gilbert  
; TITLE OF INVENTION: Screening Methods for Identifying Compounds which Decrease HIV En  
; FILE REFERENCE: 9409/2023F  
; CURRENT APPLICATION NUMBER: US/10/661,798  
; PRIOR FILING DATE: 2003-09-12  
; PRIOR APPLICATION NUMBER: 09/938,703  
; PRIOR FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: 09/626,939  
; PRIOR FILING DATE: 2000-07-27  
; PRIOR APPLICATION NUMBER: 08/833,752  
; PRIOR FILING DATE: 1997-04-09  
; PRIOR APPLICATION NUMBER: 08/810,028  
; PRIOR FILING DATE: 1997-03-03  
; PRIOR APPLICATION NUMBER: EP 96870021.1  
; PRIOR FILING DATE: 1996-03-01  
; PRIOR APPLICATION NUMBER: EP 96870102.9  
; PRIOR FILING DATE: 1996-08-06  
; NUMBER OF SEQ ID NOS: 18  
; SOFTWARE: Patent version 3.1  
; SEQ ID NO 4  
; LENGTH: 184  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-661-798-4

Query Match 85.4%; Score 958; DB 16; Length 184;  
Best Local Similarity 100.0%; Pred. No. 2.2e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQVSSPIYDINNTSEPCQKINVKQIAARLLPPLYSIVFI FGVGNMLVILLINCKR 60  
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DB 1 MDYQVSSPIYDINNTSEPCQKINVKQIAARLLPPLYSIVFI FGVGNMLVILLINCKR 60  
| | | | |  
QY 61 LKSMDDIYLNLAISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120  
| | | | |  
DB 61 LKSMDDIYLNLAISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120  
| | | | |  
QY 121 LITIDRYLA VHA VFA LKARITVFGVTSVITWVA VFA SLPGIIFTSRQKGLHYTCSS 180  
| | | | |  
DB 121 LITIDRYLA VHA VFA LKARITVFGVTSVITWVA VFA SLPGIIFTSRQKGLHYTCSS 180  
| | | | |

QY 181 HFPY 184  
| | | | |  
DB 181 HFPY 184

## RESULT 10

US-09-725-285-2  
; Sequence 2, Application US/09725285  
; Patent No. US20010000241A1  
; GENERAL INFORMATION:  
; APPLICANT: Li, Yi  
; APPLICANT: Ruben, Steven, M.  
; TITLE OF INVENTION: Antibodies to Human G-Protein Chemokine Receptor HDGNR10  
; FILE REFERENCE: 1488.115003  
; CURRENT APPLICATION NUMBER: US/09/725,285  
; CURRENT FILING DATE: 2000-11-29  
; PRIOR APPLICATION NUMBER: 09/339,912  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: 09/195,662  
; PRIOR FILING DATE: 1998-11-18  
; PRIOR APPLICATION NUMBER: 08/466,343  
; PRIOR FILING DATE: 1995-06-06  
; NUMBER OF SEQ ID NOS: 9  
; SOFTWARE: Patent version 3.0  
; SEQ ID NO 2  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Artificial Sequence: Genomic  
; OTHER INFORMATION: Deduced Amino Acid Sequence  
US-09-725-285-2

Query Match 85.4%; Score 958; DB 9; Length 352;  
Best Local Similarity 100.0%; Pred. No. 4.6e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQVSSPIYDINNTSEPCQKINVKQIAARLLPPLYSIVFI FGVGNMLVILLINCKR 60  
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DB 1 MDYQVSSPIYDINNTSEPCQKINVKQIAARLLPPLYSIVFI FGVGNMLVILLINCKR 60  
| | | | |  
QY 61 LKSMDDIYLNLAISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120  
| | | | |  
DB 61 LKSMDDIYLNLAISDLFFLLTPFPMAHYAAQWDFGNTMCOLLGLYFI GFSGIFPII 120  
| | | | |  
QY 121 LITIDRYLA VHA VFA LKARITVFGVTSVITWVA VFA SLPGIIFTSRQKGLHYTCSS 180  
| | | | |  
DB 121 LITIDRYLA VHA VFA LKARITVFGVTSVITWVA VFA SLPGIIFTSRQKGLHYTCSS 180  
| | | | |  
QY 181 HFPY 184  
| | | | |  
DB 181 HFPY 184

## RESULT 11

US-09-759-841-2  
; Sequence 2, Application US/09759841  
; Patent No. US20010039026A1  
; GENERAL INFORMATION:  
; APPLICANT: Rickett, Graham A  
; APPLICANT: Dobbs, Susan  
; APPLICANT: Petros, Manousos  
; TITLE OF INVENTION: Assay Method  
; FILE REFERENCE: PCI03484ME  
; CURRENT APPLICATION NUMBER: US/09/759,841  
; PRIOR APPLICATION NUMBER: GB 0000661.9  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: GB 0000663.5  
; PRIOR FILING DATE: 2000-01-12  
; PRIOR APPLICATION NUMBER: GB 0000659.3  
; PRIOR FILING DATE: 2000-01-12



; SEQ ID NO 15  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-813-653-15

Query Match 85.4%; Score 958; DB 9; Length 352;  
Best Local Similarity 100.0%; Pred. No. 4.6e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60  
|||  
Db 1 MDYQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60  
|||  
QY 61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIFGFSGIFPII 120  
|||  
Db 61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIFGFSGIFPII 120  
|||  
QY 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180  
|||  
Db 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180  
|||  
QY 181 HPPY 184  
|||  
Db 181 HPPY 184

RESULT 15  
US-09-796-202-1  
; Sequence 1, Application US/09796202  
; Patent No. US20020068813A1  
; GENERAL INFORMATION:  
; APPLICANT: Dragic, Tatjana  
; APPLICANT: Olson, William  
; TITLE OF INVENTION: SUBLATED CCR5 PEPTIDES FOR HIV-1 INFECTION  
; FILE REFERENCE: 2048/61010/JPM/SHS  
; CURRENT APPLICATION NUMBER: US/09/796,202  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 1  
; LENGTH: 352  
; TYPE: PRT  
; ORGANISM: human  
US-09-796-202-1

Query Match 85.4%; Score 958; DB 9; Length 352;  
Best Local Similarity 100.0%; Pred. No. 4.6e-83;  
Matches 184; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDYQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60  
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Db 1 MDYQSSPIYDINYYTSEPCQKINVKQIAARLLPPLYSIVFIQFVGNMLVILLINCKR 60  
|||  
QY 61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIFGFSGIFPII 120  
|||  
Db 61 LKSMIDIYLNLAISDLFFLLTFPWAHYAAQWDFGNTMCOLLTGLYFIFGFSGIFPII 120  
|||  
QY 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180  
|||  
Db 121 LITIDRYLAVVAHVAFALAKARTVTFGVVTSVITWVAVFASLPGLIFTRSQKEGLHYTCSS 180  
|||  
QY 181 HPPY 184  
|||  
Db 181 HPPY 184

Search completed: June 28, 2004, 08:47:40  
Job time : 69.2129 secs

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